

| DFMEA Cutting Process | | | | | | | | | | | | | | | | |
|---|---|---------------------------------------|---|---|--------------------------------|---|---|---|----|--|---|--|---|---|---|-----|
| | | | | | | | | | | | | Action Results | | | | |
| Process | Requirements | Potential Failure Effects | S | C | Potential Causes | O | Current Process Controls | D | | Recommended Actions | Responsibility and Target Completion Date | Actions Taken | S | O | D | |
| | | | E | L | | C | | E | R | | | | V | C | E | RPN |
| | | | V | A | | U | | T | P | | | | | | | |
| Cut two parallel strips into and through pipe walls | Hacksaw tool must be attached to winch attachment | Hacksaw Gets Jammed in Pipe | 8 | | Material Buildup Under Hacksaw | 5 | Visually Inspect Hacksaw height/ remove excess material | 2 | 80 | Always run end of hacksaw blade through channel to detect/clear material | NA | Run Hacksaw blade through channel to detcet/clear material | 8 | 1 | 1 | 8 |
| | | | | | | | | | | | | | | | | |
| | | Parallel Cut Not the Right Width | 2 | | Miss Aligned 2nd hacksaw pass | 6 | Careful Visual Inspection of placement of 2nd Cut | 3 | 36 | Add guide to hacksaw holder. | 3/8/2016 | Align guide with 1st cut | 2 | 1 | 1 | 2 |
| | Hacksaw must be placed in holder | | | | | | | | | | | | | | | |
| | Human intervention places the tool's guide in the previously cut slit | Blades and Shims added in wrong order | 8 | | User not comparing blades | 4 | Visual Inspecton of Blade Depths | 2 | 64 | Lable/ Mark order of shims | 3/8/2016 | Shims ordered by which cut they belong to | 8 | 1 | 1 | 8 |
| | | | | | | | | | | | | | | | | |